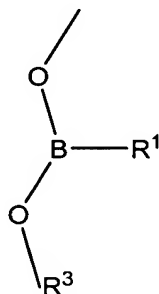


We claim:

1. A cosmetic or dermatological preparation with a content of
 - a) at least one antioxidant effective as O- or C-free radical scavenger and
 - b) at least one organic, boron-containing compound which reduces peroxides or hydroperoxides to the corresponding alcohols without the formation of active free radical consecutive stages.
2. A cosmetic or dermatological preparation as claimed in claim 1, which comprises, based on the finished preparation, 0.001 to 30% by weight of antioxidant (a) and 0.001 to 30% by weight of at least one boron-containing compound (b).
3. A cosmetic or dermatological preparation as claimed in claim 1, which comprises, as peroxide or hydroperoxidedecomposer (b), compounds which, in vitro at room temperature, dissolved in a molar concentration of 0.055 m/l in a polar or nonpolar solvent after storage at 70°C for 30 minutes, reduce the peroxide or hydroperoxide concentration by at least 10%.
4. The use of an organic, boron-containing compound which reduces peroxides or hydroperoxides to the corresponding alcohols without the formation of active free radical consecutive stages in cosmetic or dermatological preparations.
5. The use of a combination of
 - a) at least one antioxidant effective as O- or C-free radical scavenger and
 - b) at least one organic, boron-containing compound which reduces peroxides or hydroperoxides to the corresponding alcohols without the formation of reactive free radical consecutive stagesin cosmetic or dermatological preparations.

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ART 54 AADT

6. The use as claimed in claim 4 and/or 5 for avoiding skin damage by peroxides or hydroperoxides formed as a result of endogenous or exogenous factors.
7. The use as claimed in claim 4 and/or 5 for the subsequent elimination and/or alleviation of skin damage by peroxides or hydroperoxides.
8. The use as claimed in either claim 4 and/or 5, wherein 0.001 to 30% by weight of the boron-containing compound b) are used.
9. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (I)



(I),

is used, in which the variables, independently of one another, have the following meanings:

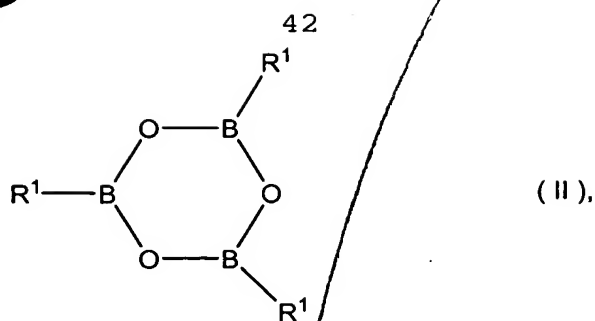
R¹, R² and R³:

hydrogen, C₁-C₂₀-alkyl, C₂-C₁₀-alkenyl, C₃-C₁₀-cycloalkyl, C₃-C₁₀-cycloalkenyl, C₁-C₁₂-alkoxy, C₁-C₂₀-alkoxycarbonyl, C₁-C₁₂-alkylamino, C₁-C₁₂-dialkylamino, aryl, heteroaryl, optionally substituted,

where the radicals R¹, R² and R³ may be bridged by ring closure.

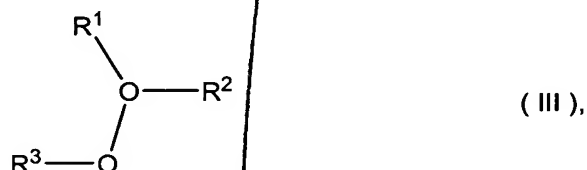
10. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (II)

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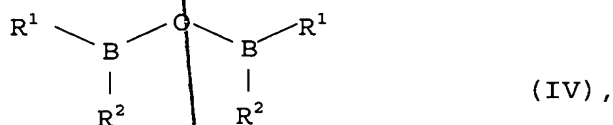
is used, in which R¹ has the meaning given above.

11. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (III)



is used, in which R¹, R² and R³ have the meanings given above.

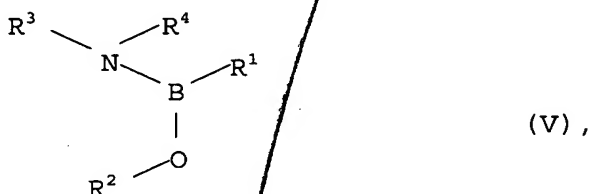
12. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (IV)



is used, in which R¹ and R² have the meanings given above and R¹ and R² may be bridged by ring closure.

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ART 34 AMST

13. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (V)



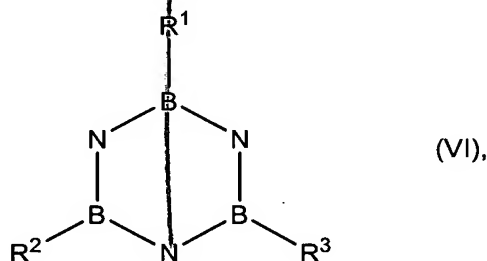
is used, in which R^1 , R^2 and R^3 have the meanings given above.

and R^4 may have the following meanings

hydrogen, C_1 - C_{20} -alkyl, C_2 - C_{10} -alkenyl, C_3 - C_{10} -cycloalkyl, C_3 - C_{10} -cycloalkenyl, C_1 - C_{12} -alkoxy, C_1 - C_{20} -alkoxycarbonyl, C_1 - C_{12} -alkylamino, C_1 - C_{12} -dialkylamino, aryl, heteroaryl, optionally substituted,

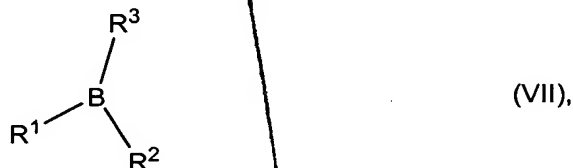
where the radicals R^1 , R^2 , R^3 and R^4 may be bridged by ring closure.

14. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (VI)



is used, in which R^1 , R^2 and R^3 have the meanings given above.

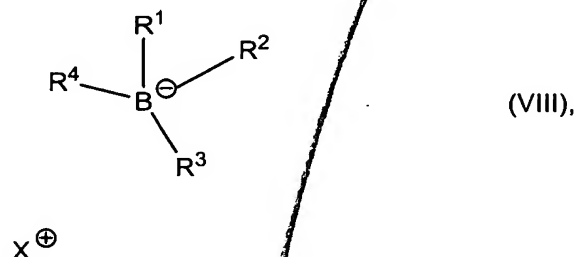
15. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (VII)



is used, in which R^1 , R^2 and R^3 have the meanings given above.

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ART 94/AMDT

16. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (VIII)



is used, in which the variables, independently of one another, have the following meanings:

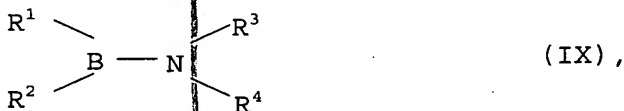
R^1 , R^2 , R^3 and R^4

hydrogen, C_1 - C_{20} -alkyl, C_2 - C_{10} -alkenyl, C_3 - C_{10} -cycloalkyl, C_3 - C_{10} -cycloalkenyl, C_1 - C_{12} -alkoxy, C_1 - C_{20} -alkoxycarbonyl, C_1 - C_{12} -alkylamino, C_1 - C_{12} -dialkylamino, aryl, heteroaryl, optionally substituted,

where the radicals R^1 , R^2 , R^3 and R^4 may be bridged by ring closure.

X^{\oplus} physiologically compatible cations, such as the alkali metal and alkaline earth metal salts or such as optionally substituted ammonium salts.

17. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (IX)



in which R^1 , R^2 , R^3 and R^4 have the meanings given above is used.

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ART 34 AMDT